

Nov 20

Work Order ID 91106

\*91106\*

Page 1

October-03-12 8:52:45 AM

Item ID: K10111

Accept

\*N900040100\*

Setup Start \*NS1\*

Revision ID:

Stop \*NS2\*

Item Name: Saddle, Skidtube 206

Start Date: 02/10/2012 Start Qty: 5.00

\*5\*

Cust Item ID:

Required Date: 20/11/2012 Req'd Qty: 5.00

\*5\*

Customer:

Reference:

Approvals: Process Plan: MLJ

Date: 12-10-03 Tooling:

Date:

Run Start \*NR1\*

QC:

Date: SPC (Y/N):

Date:

Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
DSI 9583	A								
K10111	C								
100		0.00							
*100*	DOCUMENT CONTROL								
DC		0.00							
Document Control	Memo Photocopy bluefile & type labels per PPP FOR D206-642-111 CHG007 FOR D206-642-113 CHG002		K10111	CHG003					
110	Pick Kit	0.00							
*110*									
Packaging	Memo	0.00							
Packaging									

DAS  
15  
2-09

12.11.07

JB

5 JG/MLJ 12-10-24

5

5

12/10/24 JB

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>					
<b>Root Cause</b>	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											

FAULT CATEGORY			
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

# Work Order ID 91106

October-03-12 8:52:45 AM

**\*91106\***

Page 2

Item ID: K10111

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: Saddle, Skidtube 206

Start Date: 02/10/2012 Start Qty: 5.00 **\*5\***

Cust Item ID:

Required Date: 20/11/2012 Req'd Qty: 5.00 **\*5\***

Customer:

Reference:

Approvals: Process Plan: Date: Tooling: Date:

Run Start **\*NR1\***

QC: Date: SPC (Y/N): Date:

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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120 QC- 100% Inspect kits for completeness 0.00

**\*120\***

QC Memo 0.00

Quality Control

DAS  
15  
12/11/07

S

130 Packaging 0.00

**\*130\***

Packaging Memo 0.00

Packaging Identify and pack for shipping as per PPP K10111  
PPP D206-642-111  
PPP D206-642-113  
Location:  
PPP rev:

SP 8 12/11/07

140 QC21- Final Inspection - Work Order Release 0.00

**\*140\***

QC Memo 0.00

Quality Control

12/11/07  
MCJ 12-11-08

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>					
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Equip/Tooling <input type="checkbox"/>											
Operator <input type="checkbox"/>											
Material <input type="checkbox"/>											
Setup <input type="checkbox"/>											
Other <input type="checkbox"/>											
Process <input type="checkbox"/>											
Supplier <input type="checkbox"/>											
Training <input type="checkbox"/>											
Unapproved <input type="checkbox"/>											

FAULT CATEGORY									
<b>Landing Gear</b>			<b>General</b>						
<input type="checkbox"/> Bending	<input type="checkbox"/> Bend	<input type="checkbox"/> Grain	<input type="checkbox"/> Ovalized	<input type="checkbox"/> Pressure/Forced					
<input type="checkbox"/> Centre Not Concentric to O/S	<input type="checkbox"/> BOM/Route	<input type="checkbox"/> Hardware	<input type="checkbox"/> Over/Under tolerance	<input type="checkbox"/> Temperature/Cure					
<input type="checkbox"/> Cracks	<input type="checkbox"/> Broken/Damaged	<input type="checkbox"/> Inspection Incomplete	<input type="checkbox"/> Part Incorrect	<input type="checkbox"/> Weld					
<input type="checkbox"/> Crushed/Crimped	<input type="checkbox"/> Burrs	<input type="checkbox"/> Instructions Incomplete/Unclear	<input type="checkbox"/> Part Lost/Missing	<input type="checkbox"/> Wrong Stock Pulled					
<input type="checkbox"/> Cuffs	<input type="checkbox"/> Contamination	<input type="checkbox"/> Maintenance	<input type="checkbox"/> Part Moved						
<input type="checkbox"/> Heat Treat	<input type="checkbox"/> Countersink	<input type="checkbox"/> Mislabeled	<input type="checkbox"/> Positioned Wrong						
<input type="checkbox"/> Inspection Strip in Tube	<input type="checkbox"/> Cut Too Short	<input type="checkbox"/> Misread	<input type="checkbox"/> Power Loss/Surge	<input type="checkbox"/> Other _____					
<input type="checkbox"/> Ripples in Bend	<input type="checkbox"/> Drill Holes	<input type="checkbox"/> Offset							
<input type="checkbox"/> Torque Waves in Extrusion	<input type="checkbox"/> Drawing	<input type="checkbox"/> Out of Calibration							
<input type="checkbox"/> Turning Sequence	<input type="checkbox"/> Finish	<input type="checkbox"/> Out of Sequence							
<input type="checkbox"/> Wave/Twist in Tube	<input type="checkbox"/> Folio	<input type="checkbox"/> Outside Dimensions							

# Picklist Print

October-03-12 8:52:48 AM

Page 1

Work Order ID: 91106

\*91106\*

Parent Item: K10111

\*K10111\*

Parent Item Name: Saddle, Skidtube 206

Start Date: 02/10/2012

Required Date: 20/11/2012

Start Qty: 5.00

Required Qty: 5.00

Comments: IPP: F01.11.08 Revised Step 5 and Added Inspection Level

21SM

IPP REV:G

11.09.23 PER REV.B DD VERF:EC

IPP REV:H 11.11.14

AS PER DSI9583 DD VERF:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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AN3-41A

Purchased

No

110

Each

197.0000

8

40

\*AN3-41A\*  
Bolt

\*\*

123355 JB

SMB SX

Location

Loc Qty

Loc Code

FG

18

122416

18

ST354

179

121243

179

AN4-6A

Purchased

No

110

Each

1,141.0000

12

60

\*AN4-6A\*  
Bolt

\*\*

JB

SMB SX

Location

Loc Qty

Loc Code

ST355

641

122808

600

123021

41

ST356

500

121243

500

AN4C5A

Purchased

No

110

Each

330.0000

1

5

\*AN4C5A\*  
BOLT

\*\*

JB

12/10/24

SMB

Location

Loc Qty

Loc Code

ST355

330

112243

129

119017

10

122599

191

122599

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>					
<b>Root Cause</b>	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data <input type="checkbox"/>											
Equip/Tooling <input type="checkbox"/>											
Operator <input type="checkbox"/>											
Material <input type="checkbox"/>											
Setup <input type="checkbox"/>											
Other <input type="checkbox"/>											
Process <input type="checkbox"/>											
Supplier <input type="checkbox"/>											
Training <input type="checkbox"/>											
Unapproved <input type="checkbox"/>											

FAULT CATEGORY				
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge	<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

# Picklist Print

October-03-12 8:52:48 AM

Page 2

Work Order ID: 91106

\*91106\*

Parent Item: K10111

\*K10111\*

Parent Item Name: Saddle, Skidtube 206

Start Date: 02/10/2012

Required Date: 20/11/2012

Start Qty: 5.00

Required Qty: 5.00

AN5-10A

Purchased

No

110

Each

313.0000

4 20 ✓

\*\*

JB

SP

\*AN5-10A\*

Bolt

SmB SY

## Location

## Loc Qty

## Loc Code

ST337

213

118191

80

121243

100

122151

33

ST362

100

122800

100

118191

AN5-11A

Purchased

No

110

Each

286.0000

4 20 ✓

\*\*

JB

SP

\*AN5-11A\*

Bolt

SmB SY

## Location

## Loc Qty

## Loc Code

ST337

286

118191

13

119512

273

119512

AN6-44A

Purchased

No

110

Each

43.0000

2 10 ✓

\*\*

JB

SP 12/10/24

\*AN6-44A\*

Bolt

SmB SY

## Location

## Loc Qty

## Loc Code

ST340

30

122416

30

ST343

7

119127

7

st510

6

119036

6

122416

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>					
<b>Root Cause</b>	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data <input type="checkbox"/>											
Equip/Tooling <input type="checkbox"/>											
Operator <input type="checkbox"/>											
Material <input type="checkbox"/>											
Setup <input type="checkbox"/>											
Other <input type="checkbox"/>											
Process <input type="checkbox"/>											
Supplier <input type="checkbox"/>											
Training <input type="checkbox"/>											
Unapproved <input type="checkbox"/>											
<b>FAULT CATEGORY</b>											
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube			<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio			<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions			<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other		



# Picklist Print

October-03-12 8:52:48 AM

Work Order ID: 91106

\*91106\*

Parent Item: K10111

\*K10111\*

Parent Item Name: Saddle, Skidtube 206

Start Date: 02/10/2012

Required Date: 20/11/2012

Start Qty: 5.00

Required Qty: 5.00

D206-651-041

Manufactured No

110 Each

9.0000

\*D206-651-041\*

206A/B GHW

\*\*

91164 JB

*[Handwritten signature]*

Smb *[Handwritten mark]*

## Location

## Loc Qty

## Loc Code

FG122

1

90216

1

FG125

8

79558

1

83042

3

87723

4

D2652

Manufactured No

110 Each

565.0000

\*D2652\*

Bushing

\*\*

13x 91227 JB 12/10/24

*[Handwritten signature]*

Smb *[Handwritten mark]*

## Location

## Loc Qty

## Loc Code

FG

44

31985

44

ST014

521

73836

25

81952

1

88780

495

7x 88780

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>					
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Unapproved <input type="checkbox"/>											

FAULT CATEGORY												
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube			<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio			<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions			<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other	

# Picklist Print

October-03-12 8:52:48 AM

Page 4

Work Order ID: 91106

\*91106\*

Parent Item: K10111

\*K10111\*

Parent Item Name: Saddle, Skidtube 206

Start Date: 02/10/2012

Required Date: 20/11/2012

Start Qty: 5.00

Required Qty: 5.00

D2661-1

Manufactured No

110

Each

14.0000

2

10

\*D2661-1\*

Saddle, LH Fwd Aft Out 206

\*\*

1x 90364 JB

SP

9x 691215 SL

## Location

## Loc Qty

## Loc Code

FG

2

80989

2

MEZZ

6

64559

4

76730

2

ST432

1

88031

1

ST435

5

80989

5

D2662-1

Manufactured No

110

Each

4.0000

2

10

\*D2662-1\*

Saddle, LH In 206

\*\*

90365 JP

12/10/24

## Location

## Loc Qty

## Loc Code

FG

2

80991

2

ST435

2

80991

2

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>					
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Other <input type="checkbox"/>											
Process <input type="checkbox"/>											
Supplier <input type="checkbox"/>											
Training <input type="checkbox"/>											
Unapproved <input type="checkbox"/>											

FAULT CATEGORY																																												
<b>Landing Gear</b>			<b>General</b>			<b>Grain</b>			<b>Other</b>																																			
<input type="checkbox"/> Bending	<input type="checkbox"/> Centre Not Concentric to O/S	<input type="checkbox"/> Cracks	<input type="checkbox"/> Crushed/Crimped	<input type="checkbox"/> Cuffs	<input type="checkbox"/> Heat Treat	<input type="checkbox"/> Inspection Strip in Tube	<input type="checkbox"/> Ripples in Bend	<input type="checkbox"/> Torque Waves in Extrusion	<input type="checkbox"/> Turning Sequence	<input type="checkbox"/> Wave/Twist in Tube	<input type="checkbox"/> Bend	<input type="checkbox"/> BOM/Route	<input type="checkbox"/> Broken/Damaged	<input type="checkbox"/> Burrs	<input type="checkbox"/> Contamination	<input type="checkbox"/> Countersink	<input type="checkbox"/> Cut Too Short	<input type="checkbox"/> Drill Holes	<input type="checkbox"/> Drawing	<input type="checkbox"/> Finish	<input type="checkbox"/> Folio	<input type="checkbox"/> Grain	<input type="checkbox"/> Hardware	<input type="checkbox"/> Inspection Incomplete	<input type="checkbox"/> Instructions Incomplete/Unclear	<input type="checkbox"/> Maintenance	<input type="checkbox"/> Mislabeled	<input type="checkbox"/> Misread	<input type="checkbox"/> Offset	<input type="checkbox"/> Out of Calibration	<input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized	<input type="checkbox"/> Over/Under tolerance	<input type="checkbox"/> Part Incorrect	<input type="checkbox"/> Part Lost/Missing	<input type="checkbox"/> Part Moved	<input type="checkbox"/> Positioned Wrong	<input type="checkbox"/> Power Loss/Surge	<input type="checkbox"/> Pressure/Forced	<input type="checkbox"/> Temperature/Cure	<input type="checkbox"/> Weld	<input type="checkbox"/> Wrong Stock Pulled	<input type="checkbox"/> Other

# Picklist Print

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Page 5

Work Order ID: 91106

\*91106\*

Parent Item: K10111

\*K10111\*

Parent Item Name: Saddle, Skidtube 206

Start Date: 02/10/2012

Required Date: 20/11/2012

Start Qty: 5.00

Required Qty: 5.00

D2712

Manufactured No

110

Each

717.0000

10 50

\*D2712\*

Set Screw

\*\*

Location

Loc Qty

Loc Code

FG

50

29962

50

ST016

417

84433

117

86911

300

ST019

250

87644

250

1528 84433  
3522 86911

D2884

Manufactured No

110

Each

71.0000

2 10

\*D2884\*

Saddle Spacer

\*\*

Location

Loc Qty

Loc Code

FG

10

29453

10

ST020

61

76751

19

90494

42

90494

D2885

Manufactured No

110

Each

20.0000

2 10

\*D2885\*

Saddle Spacer

\*\*

Location

Loc Qty

Loc Code

FG

10

29199

10

ST020

10

76752

10

90493 JB 12/10/24

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>					
<b>Root Cause</b>	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data <input type="checkbox"/>											
Equip/Tooling <input type="checkbox"/>											
Operator <input type="checkbox"/>											
Material <input type="checkbox"/>											
Setup <input type="checkbox"/>											
Other <input type="checkbox"/>											
Process <input type="checkbox"/>											
Supplier <input type="checkbox"/>											
Training <input type="checkbox"/>											
Unapproved <input type="checkbox"/>											

FAULT CATEGORY											
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube			<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio			<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions			<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

# Picklist Print

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Page 6

Work Order ID: 91106

**\*91106\***  
**\*K10111\***

Parent Item: K10111

Parent Item Name: Saddle, Skidtube 206

Start Date: 02/10/2012

Required Date: 20/11/2012

Start Qty: 5.00

Required Qty: 5.00

D3413-1

Manufactured No

110

Each

45.0000

\*\*

2790506 JB



**\*D3413-1\***  
Ring

Sms sy

## Location

## Loc Qty

## Loc Code

ST420

8

86562

8

ST421

10

88025

10

ST464

27

80224

4

83307

3

83867

18

90009

2

2x  
83867

MS21042L3

Purchased

No

110

Each

1,946.000

\*\*

123265 JB

12/10/24



**\*MS21042L3\***

Nut

Sms sy

## Location

## Loc Qty

## Loc Code

316

717

122452

717

ST300

344

117885

32

119017

174

119075

138

ST317

885

122141

885

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>					
<b>Root Cause</b>	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data <input type="checkbox"/>											
Equip/Tooling <input type="checkbox"/>											
Operator <input type="checkbox"/>											
Material <input type="checkbox"/>											
Setup <input type="checkbox"/>											
Other <input type="checkbox"/>											
Process <input type="checkbox"/>											
Supplier <input type="checkbox"/>											
Training <input type="checkbox"/>											
Unapproved <input type="checkbox"/>											

  

FAULT CATEGORY			
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other



# Picklist Print

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Page 7

Work Order ID: 91106

\*91106\*

Parent Item: K10111

\*K10111\*

Parent Item Name: Saddle, Skidtube 206

Start Date: 02/10/2012

Required Date: 20/11/2012

Start Qty: 5.00

Required Qty: 5.00

MS21042L4

Purchased

No

110

Each

5,329.000

12

60

\*MS21042L4\*

\*\*

Nut

## Location

## Loc Qty

## Loc Code

314

2302

122452

2302

ST300

27

119017

20

121444

7

ST314

3000

123021

3000

MS21042L6

Purchased

No

110

Each

691.0000

2

10

\*MS21042L6\*

\*\*

Nut

## Location

## Loc Qty

## Loc Code

314

412

122441

412

ST300

279

117677

25

118384

3

118927

48

119075

4

120308

199

NAS1149C0463R

Purchased

No

110

Each

637.0000

1

5

\*NAS1149C0463R\*

\*\*

Washer

## Location

## Loc Qty

## Loc Code

FP001

1

115358

1

ST297

636

117735

17

119097

619

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Shop Packet Print

Page 7

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											

FAULT CATEGORY											
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube			<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio			<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions			<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

# Picklist Print

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Page 8

Work Order ID: 91106

\*91106\*

\*K10111\*

Parent Item: K10111

Parent Item Name: Saddle, Skidtube 206

Start Date: 02/10/2012

Required Date: 20/11/2012

Start Qty: 5.00

Required Qty: 5.00

NAS1149D0363J

Purchased

No

110

Each

3,625.000

8

40

\*~~NAS1149D0363J~~\*

Washer

\*\*

123248

JB

SP

Smb

## Location

## Loc Qty

## Loc Code

ST297

3446

122378

3446

ST298

179

117601

61

119537

33

120308

17

121524

68

NAS1149D0463J

Purchased

No

110

Each

3,443.000

24

120

\*~~NAS1149D0463J~~\*

Washer

\*\*

123248

JB

SP

Smb

## Location

## Loc Qty

## Loc Code

298

186

122441

186

ST298

3219

104746

1

116805

0

119073

20

122452

3198

ST299

38

121912

38

NAS1149D0563J

Purchased

No

110

Each

3,920.000

8

40

\*~~NAS1149D0563J~~\*

Washer

\*\*

JB

12/10/24

Smb SP

## Location

## Loc Qty

## Loc Code

ST298

3920

121255

920

122452

3000

121255

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>					
<b>Root Cause</b>	<b>Date</b>	<b>Step</b>	<b>Qty</b>	<b>Description of work order update or Non-conformance</b>	<b>Initial Chief Eng</b>	<b>Action Description</b>	<b>Sign &amp; Date</b>	<b>Verification</b>	<b>QC Inspector</b>		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											

  

FAULT CATEGORY				
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other	

# Picklist Print

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Page 9

Work Order ID: 91106

\*91106\*

Parent Item: K10111

\*K10111\*

Parent Item Name: Saddle, Skidtube 206

Start Date: 02/10/2012

Required Date: 20/11/2012

Start Qty: 5.00

Required Qty: 5.00

NAS1149D0663J

Purchased

No

110

Each

774.0000

4

20

\*\*

~~\*NAS1149D0663J\*~~

Washer

JB 12/10/24

Smb \$

Location

Loc Qty

Loc Code

ST294

774

123021

774

123021

NCR: Yes / No

## WORK ORDER NON-CONFORMANCE / UPDATE

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											

FAULT CATEGORY											
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube			<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio			<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions			<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D206-642 REV. O AND  
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D206-642 REV. 4

REF FAA STC: SA00475SE

REF CANADIAN STC: SH98-4

REF EASA STC: EASA.IM.R.S.01320

## PROCEDURE:

FOR D206-642-113/-114 SKIDTUBE INSTALLATION KITS, IT HAS BEEN DETERMINED THAT AN5-10A (FWD) AND AN5-11A (AFT) BOLTS ARE MORE APPROPRIATE BOLT LENGTHS FOR ATTACHING THE SKIDTUBES TO THE CROSSTUBES THAN THE AN5-7A BOLTS PREVIOUSLY PROVIDED IN THE KITS.

### 4.2 206A/B LOW GEAR SKIDTUBES (WITH RUN-ON LANDING WEARPLATES)

#### 32.12 206A/B LOW GEAR SKIDTUBES (WITH RUN-ON LANDING WEARPLATES)

ITEM	QTY. -113	QTY. -114	PART NUMBER	DESCRIPTION
	X		D206-642-113	SKIDTUBE INSTALLATION, LH
		X	D206-642-114	SKIDTUBE INSTALLATION, RH

#### IS:

13	4	4	AN5-10A	BOLT
14	4	4	AN5-11A	BOLT

#### WAS:

13	4	4	AN5-7A	BOLT
14	4	4	AN5-7A	BOLT

FOR FURTHER DETAILS REFER TO PAGE 22, DETAIL A OF IIN-D206-642 REV. O, OR PAGE 30, DETAIL A OF ICA-D206-642 REV. 4.

SHOP COPY  
 RETURN TO  
 ENGINEERING  
 UNCONTROLLED COPY  
 SUBJECT TO AMENDMENT  
 WITHOUT NOTICE  
 WORK ORDER  
 NO. 91100 M25  
 12-10-03

A	NEW ISSUE	AJS	11.11.02
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	<b>DART AEROSPACE USA, INC</b> KENT, WA	
DRAWN	AJS		
CHECKED	<i>JP</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9583	SHEET 1 OF 1
APPROVED	<i>140</i>	TITLE	SCALE
DE APPR.	<i>TH</i>	BOLT SUBSTITUTION	NTS
DATE	11.11.02	COPYRIGHT © 2011 BY DART AEROSPACE USA, INC <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	

THIS KIT CONTAINS PARTS AND PAPERWORK APPLICABLE TO THE FOLLOWING  
SKIDTUBE AND SADDLE INSTALLATIONS:

AIRCRAFT	INSTALLATION
BELL 206 A/B	D206-642-111
BELL 206 A/B	D206-642-113

THE FOLLOWING PARTS SHOULD BE USED PER THE RELEVANT DRAWINGS AND THE  
FOLLOWING TABLE (REF):

ITEM	PART NUMBER	K10111	D206-642-111	D206-642-113
1	D206-651-041	1	1	1
2	D2652	16	16	16
3	D3413-1	1	1	1
4	D2661-1	2	2	2
5	D2662-1	2	2	2
6	D2712	10	10	10
7	D2884	2	2	2
8	D2885	2	2	2
9	AN3-41A	8	8	8
10	AN4C5A	1	1	1
11	AN4-6A	12	12	12
12	AN5-7A		8	
13	AN5-10A	4		4
14	AN5-11A	4		4
15	AN6-44A	2	2	2
16	NAS1149D0363J	8	8	8
17	NAS1149D0463J	24	24	24
18	NAS1149D0563J	8	8	8
19	NAS1149D0663J	4	4	4
20	MS21042-3 (OR L3)	8	8	8
21	MS21042-4 (OR L4)	12	12	12
22	MS21042-6 (OR L6)	2	2	2
23	NAS1149C0463R	1	1	1

C	ADDED ITEM COLUMN, ADDED ITEMS 13 & 14, QTY'S FOR ITEM 12 UPDATED.	AJS	11.11.10
B	ADD APPLICABILITY TO D206-642-113	AJS	11.09.19
A	NEW ISSUE	RF	00.05.17
REV.	DESCRIPTION	BY	DATE
DESIGN	DS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	<i>140</i>	DRAWING NO.	REV. C
MFG. APPR.	<i>EE</i>	K10111	SHEET 1 OF 1
APPROVED	<i>140</i>	TITLE	SCALE
DE APPR.	<i>140</i>	SADDLE KIT	NTS
DATE	11.11.10	COPYRIGHT © 2000 BY DART AEROSPACE LTD. <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

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## 4.0 PARTS LIST

## 4.1 206A/B LOW GEAR SKIDTUBES

ITEM	QTY <del>144</del>	QTY -112	QTY -141	QTY -147	PART NUMBER	DESCRIPTION
	X				D206-642-111	SKIDTUBE INSTALLATION, LH
		X			D206-642-112	SKIDTUBE INSTALLATION, RH
	1	1	X		D206-642-141	SKIDTUBE
				X	D206-642-147	WEARSHOE KIT (REPLACES -143)
	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>D206-651-041</del>	<del>206 GHW ADAPTER<sup>(2)</sup></del>
1			1		D2650-1	SKIDTUBE ASSEMBLY
2A			16		D2651-1	* PLUG <sup>(1)</sup>
2B			16		D2651-3	* O-RING <sup>(1)</sup>
3			1		D2646	* AFT CAP <sup>(1)</sup>
4			2		MS27039-1-08	* SCREW <sup>(1)</sup>
5			2		NAS1149D0332J	* WASHER <sup>(1)</sup> (OR AN960JD10L)
6	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>D2661-1</del>	<del>SADDLE, FWD OUT, LH</del>
6		1			D2661-2	SADDLE, FWD OUT, RH
7	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>D2662-1</del>	<del>SADDLE, FWD IN, LH</del>
7		1			D2662-2	SADDLE, FWD IN, RH
8	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>D2661-1</del>	<del>SADDLE, AFT OUT, LH</del>
8		1			D2661-2	SADDLE, AFT OUT, RH
9	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>D2662-1</del>	<del>SADDLE, AFT IN, LH</del>
9		1			D2662-2	SADDLE, AFT IN, RH
10	<del>8</del>	<del>8</del>	<del>8</del>	<del>8</del>	<del>AN3-41A</del>	<del>BOLT</del>
11	<del>36</del>	<del>36</del>	<del>36</del>	<del>36</del>	<del>D2652</del>	<del>BUSHING</del>
12A	<del>8</del>	<del>8</del>	<del>8</del>	<del>8</del>	<del>MS21042-3</del>	<del>NUT (OR MS21042L3)</del>
12B	<del>8</del>	<del>8</del>	<del>8</del>	<del>8</del>	<del>NAS1149D0363J</del>	<del>WASHER (OR AN960JD10)</del>
13	4	4			AN5-7A	BOLT
14	4	4			AN5-7A	BOLT
15	<del>8</del>	<del>8</del>	<del>8</del>	<del>8</del>	<del>NAS1149D0563J</del>	<del>WASHER (OR AN960JD516)</del>
16	<del>42</del>	<del>42</del>	<del>42</del>	<del>42</del>	<del>AN4-6A</del>	<del>BOLT</del>
17	<del>24</del>	<del>24</del>	<del>24</del>	<del>24</del>	<del>NAS1149D0463J</del>	<del>WASHER (OR AN960JD416)</del>
18	<del>12</del>	<del>12</del>	<del>12</del>	<del>12</del>	<del>MS21042-4</del>	<del>NUT (OR MS21042L4)</del>
20A			4	4	D3537-1	WEARPAD (REPLACES D2648-3)
21A			1	1	D3537-3	WEARPAD (REPLACES D3429-1)
22A			1	1	D3535-11	WEARSHOE (REPLACES D2656-11)
22B			1	1	D3536-11	GASKET
23A			1	1	D3535-21	WEARSHOE (REPLACES D2656-21)
23B			1	1	D3536-21	GASKET
24A			1	1	D3535-31	WEARSHOE (REPLACES D2656-31)
24B			1	1	D3536-31	GASKET
26A			42	42	MS27039C1-08	SCREW
26B			42	42	NAS1149C0332R	WASHER (OR AN960C10L)
26C			42		ALS7-1032-130	* INSERT <sup>(1)</sup> (or AKS4-1032-130, ALS4-1032-130, AELS-1032-130)
28	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>AN6-44A</del>	<del>BOLT</del>
29A	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>MS21042-6</del>	<del>NUT (OR MS21042L6)</del>
29B	<del>4</del>	<del>4</del>	<del>4</del>	<del>4</del>	<del>NAS1149D0663J</del>	<del>WASHER (OR AN960JD616)</del>
34	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>AN4C5A</del>	<del>BOLT</del>
35	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>NAS1149C0463R</del>	<del>WASHER (OR AN960G416)</del>
36	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>D3413-1</del>	<del>RING (REPLACES D2655)</del>
37	<del>10</del>	<del>10</del>	<del>10</del>	<del>10</del>	<del>D2712</del>	<del>SEE SCREW</del>
38	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>D2884</del>	<del>SPACER</del>
39	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>D2885</del>	<del>SPACER</del>

NOTES: (1) DENOTES THAT PART IS INCLUDED WITH D2650-1 ASSEMBLY ABOVE

(2) NOT INSTALLED AS PART OF SKIDTUBE. USED TO MODIFY OEM GROUND HANDLING WHEELS

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Revision: 0

Date: 11.06.15

THIS KIT CONTAINS PARTS AND PAPERWORK APPLICABLE TO THE FOLLOWING  
SKIDTUBE AND SADDLE INSTALLATIONS:

AIRCRAFT	INSTALLATION
BELL 206 A/B	D206-642-111
BELL 206 A/B	D206-642-113

THE FOLLOWING PARTS SHOULD BE USED PER THE RELEVANT DRAWINGS AND THE  
FOLLOWING TABLE (REF):

ITEM	PART NUMBER	K10111	D206-642-111	D206-642-113
1	D206-651-041	1	1	1
2	D2652	16	16	16
3	D3413-1	1	1	1
4	D2661-1	2	2	2
5	D2662-1	2	2	2
6	D2712	10	10	10
7	D2884	2	2	2
8	D2885	2	2	2
9	AN3-41A	8	8	8
10	AN4C5A	1	1	1
11	AN4-6A	12	12	12
12	AN5-7A		8	
<del>13</del>	<del>AN5-10A</del>	<del>4</del>		<del>4</del>
<del>14</del>	<del>AN5-11A</del>	<del>4</del>		<del>4</del>
15	AN6-44A	2	2	2
16	NAS1149D0363J	8	8	8
17	NAS1149D0463J	24	24	24
18	NAS1149D0563J	8	8	8
19	NAS1149D0663J	4	4	4
20	MS21042-3 (OR L3)	8	8	8
21	MS21042-4 (OR L4)	12	12	12
22	MS21042-6 (OR L6)	2	2	2
23	NAS1149C0463R	1	1	1

C	ADDED ITEM COLUMN, ADDED ITEMS 13 & 14, QTY'S FOR ITEM 12 UPDATED.	AJS	11.11.10
B	ADD APPLICABILITY TO D206-642-113	AJS	11.09.19
A	NEW ISSUE	RF	00.05.17
REV.	DESCRIPTION	BY	DATE
DESIGN	DS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	<i>AD</i>	DRAWING NO.	REV. C
MFG. APPR.	<i>BE</i>	K10111	SHEET 1 OF 1
APPROVED	<i>AD</i>	TITLE	SCALE
DE APPR.	<i>AD</i>	SADDLE KIT	NTS
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